

# Programma della conferenza

## Panoramica della sessione

Data: Lunedì, 23.09.2024

11:30 - 14:00	<b>ALLESTIMENTO POSTER:</b> Allestimento dei Poster presso i locali del Museo dell'Arte Classica Luogo, sala: Museo Arte Classica	<b>REGISTRAZIONI:</b> Registrazione al congresso Luogo, sala: Museo Arte Classica	
14:00 - 14:45	<b>CERIMONIA DI APERTURA: Cerimonia di apertura e saluti istituzionali.</b> Luogo, sala: Sala Plenaria - Aula Tullio Levi-Civita, ed. di Matematica Guido Castelnuovo Interverranno: Prof.ssa Maria Letizia Costantini, Presidente del Comitato organizzatore; Prof. Livio de Santoli, Prorettore alla sostenibilità, già Prorettore alle politiche energetiche; Prof. Riccardo Faccini, Preside della Facoltà di Scienze Matematiche Fisiche e Naturali; Prof.ssa Laura Sadori, Direttrice del Dipartimento di Biologia Ambientale; Prof. Antonio Pusceddu (Univ. degli studi di Cagliari), Presidente pro-tempore S.It.E.. Si terrà inoltre la consegna dei premi "Brusarosco" e "Moroni".		
14:45 - 15:35	<b>PLENARY 1: PROF.SSA PFENNIG: Plenary lecture della Prof.ssa K.S. Pfennig - University of North Carolina at Chaper III. Titolo: "Hybridization and its ecological and evolutionary consequences"</b> Luogo, sala: Sala Plenaria - Aula Tullio Levi-Civita, ed. di Matematica Guido Castelnuovo Chair: Daniele Porretta		
15:45 - 17:00	<b>SP.1a-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b> Luogo, sala: Aula Giacomini Chair: Massimiliano Scalici Chair: Anna Barra Caracciolo Chair: Daniele Ventura Chair: Arnold Rakaj  <b>15:45 - 16:00</b> <b>Effects of small-scale fishery on habitats: the case studies of Torre Guaceto and Porto Cesareo MPAs</b> <u>Chiara Silvestrini</u> , Alessandro Ciccolella, Paolo D'Ambrosio, Francesco de Franco, Luciana Muscogiuri, Simonetta Fraschetti  <b>16:00 - 16:15</b> <b>Effects of small scale fishery on fish communities of the mpa "Parco Sommerso di Gaiola".</b> <u>Luca Appolloni</u> , Domenico Ciorciaro, Alberto Pagliarani, Adele Coccozza di Montanara, Gianmarco Di Pace, Maurizio Simeone, Giovanni Russo  <b>16:15 - 16:30</b> <b>Feeding preferences of the invasive allochthonous Blue Crab (<i>Callinectes sapidus</i> Rathbun, 1896) in mesocosm and possible implications for mollusk fisheries</b> <u>Francesco Palmas</u> , Pierantonio Addis, Sonia Cheratzu, Viviana Pasquini, Antonio Pusceddu, Paolo Solari, Serenella Cabiddu  <b>16:30 - 16:45</b> <b>Engaging mollusks' farmers to increase the knowledge on distribution and impact of non-native species in aquaculture in the Adriatic Sea</b> <u>Barbara Mikac</u> , Lucia Palazzi Rossi, Federica Costantini, Marina Antonia Colangelo, Marco Abbiati, Eugenio Fossi  <b>16:45 - 17:00</b> <b>Threatening coastal aquatic habitats at crayfish stepping</b> <u>Massimiliano Scalici</u> , Luca Gallitelli	<b>SP.2a-ECO.EVO.: Ecologia evolutiva e adattamento</b> Luogo, sala: Aula Partenone Chair: Daniele Porretta Chair: Andrea Chiochio  <b>15:45 - 16:00</b> <b>Designing the blueprint of Disease X: a prototypical modelling review of emerging zoonotic diseases spreading along different ecological pathways.</b> <u>Davide Bogani</u> , Lorenzo Mari, Renato Casagrandi  <b>16:00 - 16:15</b> <b>Low levels of ecological adaptation among subspecies of the leopard (<i>Panthera pardus</i>)</b> <u>Michela Leonardi</u> , Sidney Leedham, Johanna L. A. Paijmans, Andrea Manica  <b>16:15 - 16:30</b> <b>Biogeographic history shapes spatial pattern of intraspecific variation in personality, performance and morphology</b> <u>Andrea Chiochio</u> , Roberta Bisconti, David Costantini, Claudio Carere, Daniele Canestrelli  <b>16:30 - 16:45</b> <b>Multilocus Intron Polymorphisms (MIPs) as suitable tool for the analyses of interspecific hybridization</b> <u>Leonardo Congiu</u> , Boscarì Elisa, Annalisa Scapolatiello, Chiara Samassa, Ilaria Marino, Francesco Martino, Lorenzo Zane  <b>16:45 - 17:00</b> <b>Dissecting the structural and regulatory genomic basis of hypertrophied lip adaptations in Neotropical cichlid fishes</b> <u>Paolo Franchini</u> , Ming Li, Bai Wei Lo, C. Darrin Hulsey, Axel Meyer	<b>SP.3a-DIVULGAZIONE: Divulgazione dell'ecologia ed educazione ambientale</b> Luogo, sala: Aula Montalenti Chair: Giuseppe Barbiero Chair: Alice Stocco  <b>15:45 - 16:00</b> <b>Biophilic design reframed. The theoretical basis for experimental research</b> <u>Giuseppe Barbiero</u>  <b>16:00 - 16:15</b> <b>Plastic Crime Scene Investigation - PCSI communication plan: multifactorial societal participation for an inclusive territorial network framework</b> <u>Raffaella Bullo</u> , Silvia Bianchelli  <b>16:15 - 16:30</b> <b>RiVe methodology: a new Citizen Science tool for assessing riparian forest quality</b> <u>Marco Cossu</u> , Bruna Gumiero, Francesco Di Grazia, Cristian Di Stefano, Alessandra Casali  <b>16:30 - 16:45</b> <b>One ecosystem: mapping for safe engagement with Nature</b> <u>Alice Stocco</u> , Fabio Pranovi, Giuseppe Barbiero, Stefania Pinna  <b>16:45 - 17:00</b> <b>Cs4rivers: citizens and scientists together to measure the habitat quality of riverine ecosystems</b> <u>Chiara Vitillo</u> , Alessio Polvani, Bruna Gumiero, Cristina Capineri, Fabrizio Monaci, Venere Stefania Sanna, Francesco Di Grazia, Luisa Galgani, Steven Loiselle, Stefano Loppi
17:00 - 17:30	<b>Coffee break 1: Coffee break e visione Poster</b> Luogo, sala: Museo Arte Classica		

<p>17:30 - 19:00</p>	<p><b>SP.1b-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b> Luogo, sala: <b>Aula Giacomini</b> Chair: <b>Massimiliano Scalici</b> Chair: <b>Anna Barra Caracciolo</b> Chair: <b>Daniele Ventura</b> Chair: <b>Arnold Rakaj</b></p> <p><b>17:30 - 17:45</b> <b>A synergistic approach for evaluating freshwater ecosystem health and ecosystem services</b> <b>Isabella Calattini</b>, Tommaso Campani, Federico Pulselli, Dario Giani, Maria Cristina Fossi, Pietro Centorrino, Tiberio Fiaschi, Claudia Angiolini, Luisa Patrolecco, Paola Grenni, Silvia Casini</p> <hr/> <p><b>17:45 - 18:00</b> <b>Changes and temporal trends of demersal communities in the North-Western Ionian Sea</b> <b>Angela Carluccio</b>, Francesca Capezzuto, Giovanni Chimienti, Porzia Maiorano, Letizia Sion, Gianfranco D'Onghia</p> <hr/> <p><b>18:00 - 18:15</b> <b>Assessment of the decline of Fucus virsoides: a habitat-forming macroalga on the brink of extinction</b> <b>Emmanuelle Descourvières</b>, Vinko Bandelj, Damiano Baldan, Cosimo Solidoro, Annalisa Falace</p> <hr/> <p><b>18:15 - 18:30</b> <b>Alteration of gregarious behavior in terrestrial isopod population induced by abiotic and biotic factors.</b> <b>Lorenzo Federico</b>, Sara Peixoto, Susana Loureiro, Sara Villa, Rui Morgado</p> <hr/> <p><b>18:30 - 18:45</b> <b>Growth rate, metabolic responses, recruitment and shell microstructures of Ostrea edulis resident population from the Gulf of La Spezia</b> <b>Erica Gabrielli</b>, Sofia Lorenzini, Chiara Lombardi, Davide Seveso</p> <hr/> <p><b>18:45 - 19:00</b> <b>Spatial disturbance of fishery on two dolphin species in the Northern Ionian Sea (Central-eastern Mediterranean Sea)</b> <b>Maurizio Ingrosso</b>, Pasquale Ricci, Carmelo Fanizza, Roberto Carlucci, Giulia Cipriano</p>	<p><b>SP.2b-ECO.EVO.: Ecologia evolutiva e adattamento</b> Luogo, sala: <b>Aula Partenone</b> Chair: <b>Daniele Porretta</b> Chair: <b>Andrea Chiocchio</b></p> <p><b>17:30 - 17:45</b> <b>Genomics of Lessepsian fish invaders: investigating the evolutionary dynamics behind the successful colonisation of the Mediterranean Sea</b> <b>Francesco Giannelli</b>, Samuele Broccardo, Ernesto Azzurro, Antonis Petrou, Marina Chiappi, Grigorios Skouradakis, Josephine Paris, Flávia A. Nitta Fernandes, Lorena Ancona, Tilman Alpermann, Mark Dimech, Emanuela Fanelli, Emiliano Trucchi</p> <hr/> <p><b>17:45 - 18:00</b> <b>Infer the past to understand the future: Demographic history and environmental niche modelling in tortoises and terrapins</b> <b>Alessio Iannucci</b>, Marcella Sozzoni, Giulio Formenti, Massimo Bellavita, Sara Fratini, Guido Chelazzi, Erich Jarvis, Chiara Natali, Vladimir Trifonov, Anna Brüniche-Olsen, Claudio Ciofi</p> <hr/> <p><b>18:00 - 18:15</b> <b>Same question, different answers: how resource availability shapes pace of life</b> <b>Ludovico Lezzi</b>, Milad Shokri, Alberto Basset</p> <hr/> <p><b>18:15 - 18:30</b> <b>On the origin of adaptations to novel conditions: insights from insecticide resistance</b> <b>Valentina Mastrantonio</b>, Valentina Lucchesi, Daniele Porretta</p> <hr/> <p><b>18:30 - 18:45</b> <b>Evolutionary distinct lineages of a migratory bird of prey show contrasting responses to climate change</b> <b>Diego Rubolini</b>, Joan Ferrer Obiol</p> <hr/> <p><b>18:45 - 19:00</b> <b>Fishery genomics of the European hake. Evidence for subtle geographic differentiation and locally adaptive variation within the Mediterranean Sea</b> <b>Lorenzo Zane</b>, Rita Cannas, Costas Tsigenopoulos, Maria Teresa Spedicato, MED_UNITS Genetics Team</p>	<p><b>Sp.3b-DIVULGAZIONE: Divulgazione dell'ecologia ed educazione ambientale</b> Luogo, sala: <b>Aula Montalenti</b> Chair: <b>Giuseppe Barbiero</b> Chair: <b>Alice Stocco</b></p> <p><b>17:30 - 17:45</b> <b>Park, Science &amp; Nature: the right mix for environmental education</b> <b>Caterina Ferrari</b>, Cristina Delcorso</p> <hr/> <p><b>17:45 - 18:00</b> <b>"Ecosystem services" in educational and training contexts</b> <b>Caterina Lorenzi</b>, Chiara Franzero</p> <hr/> <p><b>18:00 - 18:15</b> <b>I am Biodiversity: a transdisciplinary approach to improve ecoliteracy</b> <b>Stefania Pinna</b>, Sveva Lavecchia, Livia Taruffi, Cristina Del Corso</p> <hr/> <p><b>18:15 - 18:30</b> <b>A community along the river: participatory monitoring as a tool to encourage eco-literacy and sustainable policies</b> <b>Marta Polizzi</b>, Jessica Ferretti, Marta Del Giudice, Francesca Appolloni, Sara Vegni, Bruna Gumiero</p> <hr/> <p><b>18:30 - 18:45</b> <b>Ecology for territorial design and biomimetics</b> <b>Silvia Pulina</b></p> <hr/> <p><b>18:45 - 19:00</b> <b>Beyond the guilt. Sensitive dance as a creative tool to stimulate connectedness to Nature in children.</b> <b>Lontana Re</b>, Jessica Ferretti, Giuseppe Barbiero, Stefania Pinna</p>
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Data: Martedì, 24.09.2024

<p>9:00 - 9:50</p>	<p><b>PLENARY 2a: PROF. ELLIOTT: Plenary lecture del Prof. M. Elliott - University of Hull. Titolo: "Unbounded boundaries and moving baselines: Estuaries and coastal seas in a rapidly changing world"</b> Luogo, sala: <b>Aula Giacomini</b> Chair: <b>Antonio Pusceddu</b> La lecture del Prof. M. Elliott sarà trasmessa da remoto e in parallelo sia in Aula Giacomini che in Aula Partenone.</p>	<p><b>PLENARY 2b: PROF. ELLIOTT: Plenary lecture del Prof. M. Elliott - University of Hull. Titolo: "Unbounded boundaries and moving baselines: Estuaries and coastal seas in a rapidly changing world"</b> Luogo, sala: <b>Aula Partenone</b> Chair: <b>Antonio Pusceddu</b> La lecture del Prof. M. Elliott sarà trasmessa da remoto e in parallelo sia in Aula Giacomini che in Aula Partenone.</p>	
<p>10:00 - 11:00</p>	<p><b>SP.1c-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b> Luogo, sala: <b>Aula Giacomini</b> Chair: <b>Massimiliano Scalici</b> Chair: <b>Anna Barra Caracciolo</b> Chair: <b>Daniele Ventura</b> Chair: <b>Arnold Rakaj</b></p> <p><b>10:00 - 10:15</b> <b>Trait-based vulnerability index: assessing the impact of climate-driven predation on the Mediterranean coral <i>Astroides calycularis</i></b> <b>Mar Bosch-Belmar</b>, Mario Francesco Tantillo, Gianluca Sarà</p> <p><b>10:15 - 10:30</b> <b>Investigating the toxicological effects of an oil spill off the Cap Corse (France) on <i>Puffinus yelkouan</i></b> <b>Ilaria Caliani</b>, Carlo Amico, Laura Giovanetti, Silvia Casini, Antonella D'Agostino, Francesca Giannini, Giovanna Spano, Nicola Baccetti, Letizia Marsili</p> <p><b>10:30 - 10:45</b> <b>A new multi-faceted approach to assess the sustainability of recreational diving activities and support management strategies for the sustainable use of marine resources</b> <b>Letizia Ottone</b>, Edoardo Casoli</p> <p><b>10:45 - 11:00</b> <b>Current status of <i>Pinna nobilis</i> in the Lagoon of Venice and surrounding waters in the wake of mass mortality events: population trends, spatial patterns and environmental drivers</b> <b>Marco Sigovini</b>, Fabrizio Bernardi Aubry, Francesca Carella, Marta Cosma, Daniele Curiel, Sandra Donnici, Erika Drogo, Irene Guarneri, Elisabetta Manea, Tihana Marčeta, Giuseppe Pessa, Andrea Sabino, Gian Marco Scarpa, Luigi Tosi, Matteo Zucchetta, Alessandro Bergamasco</p>	<p><b>SP.4a-RETI TROFICHE: Reti trofiche ed ecologia di comunità</b> Luogo, sala: <b>Aula Partenone</b> Chair: <b>Loreto Rossi</b> Chair: <b>Maria Letizia Costantini</b> Chair: <b>Simona Sporta Caputi</b></p> <p><b>10:00 - 10:15</b> <b>Assessing the relationships between biodiversity loss/change on marine ecosystem functioning: Aquatic eddy covariance in the Mediterranean Sea</b> <b>Ana Maria Botero Angel</b>, Manuel Berlino, Maria Cristina Mangano, Peter Berg, Gianluca Sarà</p> <p><b>10:15 - 10:30</b> <b>ISOMED - A database of isotopic signatures of Mediterranean food web components</b> Emanuela Fanelli, Daniela Berto, Salvatrice Vizzini, Federico Rampazzo, Zaira Da Ros, Seta Noventa, Tomaso Fortibuoni, Camilla Antonini, Giovanna Cilluffo, Geraldina Signa, Alice Premici, Roberta Bardelli, <b>Saša Raicevich</b></p> <p><b>10:30 - 10:45</b> <b>Effects of climate change on food webs and carbon sink capacity in Arctic lake ecosystems</b> <b>Edoardo Calizza</b>, Giulio Careddu, Davide Giannini, Simona Sporta Caputi, Matteo Ventura, Roberta Zitelli, Vittorio Pasquali, David Rossi, Maurizio Azzaro, Filippo Azzaro, Angelina Lo Giudice, Rosamaria Salvatori, Maria Letizia Costantini</p> <p><b>10:45 - 11:00</b> <b>Spatiotemporal variations in deer population density drive browsing impact on Mediterranean forest vegetation</b> <b>Niccolò Fattorini</b>, Gianmaria Bonari, Giovanni Fini, Claudia Angiolini, Francesco Ferretti</p>	<p><b>SP.5a-ECOTOX: Ecotossicologia dei contaminanti emergenti</b> Luogo, sala: <b>Aula Montalenti</b> Chair: <b>Francesco Dondero</b> Chair: <b>Cristina Fossi</b> Chair: <b>Cristina Panti</b> Chair: <b>Antonio Calisi</b></p> <p><b>10:00 - 10:15</b> <b>The chronic exposure to pharmaceuticals and phtalates results in sub-lethal effects in the zooxanthellate coral <i>Balanophyllia europaea</i></b> <b>Arianna Bellingeri</b>, Erik Caroselli, Stefano Goffredo, Ilaria Corsi</p> <p><b>10:15 - 10:30</b> <b>Upscaling of PFAS in the trophic chain: from molecular to ecosystem responses</b> <b>Davide Gualandris</b>, Maria Teresa Guerra, Davide Rotondo, Candida Lorusso, Antonio Calisi, Giorgio Mancinelli, Francesco Dondero</p> <p><b>10:30 - 10:45</b> <b>Molecular effects of emerging contaminants in <i>Caretta caretta</i> through skin biopsies and blood ex-vivo exposure</b> <b>Giacomo Limonta</b>, Matteo Baini, Ilaria Caliani, Maria Cristina Fossi, Giovanni Furi, Eleonora Matrone, Chiara Sablone, Cristina Panti</p> <p><b>10:45 - 11:00</b> <b>Ecological fitness impairments induced by chronic exposure to polyvinyl chloride nanospheres in <i>Daphnia magna</i></b> <b>Andrea Masseroni</b>, Sara Villa</p>
<p>11:00 - 11:30</p>	<p><b>Coffee break 2: Coffee break e visione Poster</b> Luogo, sala: <b>Museo Arte Classica</b></p>		
<p>11:30 - 13:00</p>	<p><b>SP.1d-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b> Luogo, sala: <b>Aula Giacomini</b> Chair: <b>Massimiliano Scalici</b> Chair: <b>Anna Barra Caracciolo</b> Chair: <b>Daniele Ventura</b> Chair: <b>Arnold Rakaj</b></p> <p><b>11:30 - 11:45</b></p>	<p><b>SP.4b-RETI TROFICHE: Reti trofiche ed ecologia di comunità</b> Luogo, sala: <b>Aula Partenone</b> Chair: <b>Loreto Rossi</b> Chair: <b>Maria Letizia Costantini</b> Chair: <b>Simona Sporta Caputi</b></p> <p><b>11:30 - 11:45</b></p>	<p><b>SP.5b-ECOTOX: Ecotossicologia dei contaminanti emergenti</b> Luogo, sala: <b>Aula Montalenti</b> Chair: <b>Francesco Dondero</b> Chair: <b>Cristina Fossi</b> Chair: <b>Cristina Panti</b> Chair: <b>Antonio Calisi</b></p> <p><b>11:30 - 11:45</b></p>

	<p><b>Applying a quantitative mechanistic framework to depict the trawling effects on benthic status</b>  <u>Gabriele Di Bona</u>, Jan Geert Hiddink, Marina Penna, Marina Pulcini, Sasa Raicevich, Nunziacarla Spanò, Gianluca Sarà, Maria Cristina Mangano</p> <p>11:45 - 12:00  <b>Inventory and meta-analysis of demersal fishing impacts on oceans sedimentary biogeochemistry</b>  <u>Antonio Pusceddu</u>, Justin Tiano, Emil De Borger, Sarah Paradis, Clare Bradshaw, Claudia Morys, Claudia Ennas, Karline Soetaert, Pere Puig, Pere Masqué, Marija Sciberras</p> <p>12:00 - 12:15  <b>Microplastics and stableisotopes: assessing ingestion and biomagnification in invasive species within coastal wetland ecosystems</b>  <u>Cristina Coccia</u>, Cristina Andolina, Salvatrice Vizzini, Luca Gallitelli, Federica Spani, Davide Taurozzi, Alessandra Cera, Armida Sodo, Michael Di Gioacchino, Andy Green, Massimiliano Scalici</p> <p>12:15 - 12:30  <b>Alien species as plastic trappers: the new ecosystem service of alien vegetation to trap riverine macrolitter</b>  <u>Luca Gallitelli</u>, Massimiliano Scalici</p> <p>12:30 - 12:45  <b>Impact of microplastics on aquatic species: a functional trait-based meta-analysis</b>  <u>Manuel Berlino</u>, Gianluca Sarà, Maria Cristina Mangano</p> <p>12:45 - 13:00  <b>Movement responses of Italian riffle dace (<i>Telestes muticellus</i>) to extreme flow events in a Mediterranean mountain stream</b>  <u>Alfredo Schiavon</u>, Daniel Nyqvist, Alessandro Candiotto, Michele Spairani, Franz Hölker, Johan Watz, Claudio Comoglio</p>	<p><b>United in diversity: overlap and differences in the functional diversity of Mediterranean seagrass fish assemblages</b>  <u>Roberta Cimmaruta</u>, Azzurra Lattanzi, Bruno Bellisario</p> <p>11:45 - 12:00  <b>Ontogenetic and spatial variations in the trophic ecology of the blackspotted smooth-hound <i>Mustelus punctulatus</i> Risso, 1827 in the Adriatic Sea</b>  <u>Emanuela Fanelli</u>, Luca Caracausi, Elora Chatain, Zaira Da Ros, Paula Masia-Lillo, Alice Premici</p> <p>12:00 - 12:15  <b>Paramuricea clavata forests support biodiversity and ecosystem functioning</b>  <u>Luca Licciardi</u>, Alberto Colletti, Sara De Benedictis, Erika Fabbrizzi, Simone Maria Santo Musumeci, Chiara Silvestrini, Simonetta Fraschetti</p> <p>12:15 - 12:30  <b>Preserving biodiversity and ecosystem services: which microhabitat must be prioritised in the lagoons of the Po Delta?</b>  <u>Alexandra Nicoleta Muresan</u>, Mattias Gaglio, Michela Leonardi, Fabio Vincenzi, Elisa Anna Fano</p> <p>12:30 - 12:45  <b>Fishing pressure impairs the trophic ecology of benthic feeders: the case of red mullet (<i>Mullus barbatus</i>) in the central Adriatic investigated through a multidisciplinary approach</b>  <u>Luca Caracausi</u>, Zaira Da Ros, Davide Silvestri, Alice Premici, Behixhe Ajdini, Cristina Truzzi, Emanuela Fanelli</p> <p>12:45 - 13:00  <b>Understanding the distribution and habitat preferences of the Italian Spring Goby (<i>Orsinigobius punctatissimus</i>) in the springs of Lombardy</b>  <u>Adriano Palazzi</u>, Beatrice De Felice, Simona Mondellini, Marco Parolini</p>	<p><b>Investigating bioaccumulation of legacy and emerging chemicals in plant foliar biomass: a comparative analysis of current approaches</b>  <u>Elisa Terzaghi</u>, Martina Cali, Antonio Di Guardo</p> <p>11:45 - 12:00  <b>Microplastic pollution in a Mediterranean semi-enclosed coastal basin: insights from a multi-target approach</b>  <u>Cristina Andolina</u>, Laura Caviglia, Giovanna Cilluffo, Cecilia Doriana Tramati, Maria Cristina Fossi, Matteo Bainsi, Margherita Concato, Salvatrice Vizzini</p> <p>12:00 - 12:15  <b>Plastics and plastisphere affects ecosystem processes of large rivers</b>  <u>Barbara Leoni</u>, Sudeep Chandra, Monica M. Arienzo, Zeb S. Hogan, Isabella Gandolfi, Valeria Tatangelo, Emily Carlson, Seila Chea, Savoeurn Soum, Rachel Kozloski, Veronica Nava</p> <p>12:15 - 12:30  <b>Microplastics from textile sector: first results on polymer type and pathways towards surface water</b>  <u>Isabella Gambino</u>, Giulia Pezzoli, Elisa Terzaghi, Enrica Baldini, Giovanni Bergna, Antonio Di Guardo</p> <p>12:30 - 12:45  <b>Freshwater exposure to polypropylene micro- and nanoplastics affects proper wound healing and tissue regeneration in the leech model <i>Hirudo verbana</i></b>  <u>Nicolò Baranzini</u>, Camilla Bon, Laura Pulze, Maretti Alice, Nicolò Paris, Lorella Izzo, Francesco Acquati, Annalisa Grimaldi</p>
<p>13:00 - 14:30</p>	<p><b>PAUSA PRANZO 1: Pausa pranzo e visione Poster</b>  Luogo, sala: Museo Arte Classica</p>		
<p>14:30 - 16:00</p>	<p><b>TAVOLA ROTONDA: Tavola rotonda: Intelligenza artificiale e ricerca ecologica</b>  Chair: Gianluca SARA'  Interranno: Prof.ssa Mariavittoria Catanzariti, Università degli Studi di Padova; Prof. Fernando P. Lima, Universidade do Porto; Prof. Diego Mantoan, Università degli Studi di Palermo; Prof. Michele Scardi, Università degli Studi di Roma Tor Vergata; Prof. Riccardo Valentini, Università degli Studi della Tuscia. Modera: Prof. Gianluca Sarà, Università degli Studi di Palermo.</p>		
<p>16:00 - 17:00</p>	<p><b>SP.1e-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b>  Luogo, sala: Aula Giacomini  Chair: Massimiliano Scalici  Chair: Anna Barra Caracciolo  Chair: Daniele Ventura  Chair: Arnold Rakaj</p> <p>16:00 - 16:15  <b>Eradication of brown trout from a karstic stream in Northeastern Italy: effects on crayfish and Italian minnow populations</b></p>	<p><b>SP.4c-RETI TROFICHE: Reti trofiche ed ecologia di comunità</b>  Luogo, sala: Aula Partenone  Chair: Loreto Rossi  Chair: Maria Letizia Costantini  Chair: Simona Sporta Caputi</p> <p>16:00 - 16:15  <b>Modelling community dynamics of mediterranean rocky reefs</b>  <u>Andrea Coppola</u>, Paco Melià, Renato Casagrandi</p>	<p><b>SP.5c-ECOTOX: Ecotossicologia dei contaminanti emergenti</b>  Luogo, sala: Aula Montalenti  Chair: Francesco Dondero  Chair: Cristina Fossi  Chair: Cristina Panti  Chair: Antonio Calisi</p> <p>16:00 - 16:15  <b>Assessing the impact of Gadolinium contamination on marine bivalve <i>Donax trunculus</i>:</b></p>

	<p><b>Marco Bertoli</b>, Davide Lesa, Elena Bandi, Marino Prearo, Paolo Pastorino, Elisabetta Pizzul</p> <p>16:15 - 16:30 <b>Soil microbial community and multifunctionality in natural and managed terrestrial ecosystems</b> <b>Alessia Esposito</b>, Enrica Picariello, Veronica Vitagliano, Flavia De Nicola</p> <p>16:30 - 16:45 <b>Effect of land use, vegetation type and season on shaping soil microbial community in Mediterranean ecosystems</b> <b>Enrica Picariello</b>, Alessia Esposito, Veronica Vitagliano, Flavia De Nicola</p> <p>16:45 - 17:00 <b>Some like it hot: tracking climate-driven range expansion of <i>Trithemis annulata</i> (Hexapoda: Odonata) in Italy</b> <b>Gianandrea La Porta</b>, Sönke Hardersen</p>	<p>16:15 - 16:30 <b>Seabed energy availability and sea duck's energy requirements for the prioritization of key feeding areas</b> <b>Paola Forni</b>, Julius Morkunas, Darius Daunys</p> <p>16:30 - 16:45 <b>Patterns of occurrence, distribution and biometry of <i>Faxonius limosus</i> (Decapoda: Cambaridae) in two North-western Italian lakes</b> <b>Marco Orlandi</b>, Lyudmila Kamburska, Denise Schiavetta, Silvia Zaupa, Angela Boggero</p> <p>16:45 - 17:00 <b>Soil microarthropod community structure and trophic dynamics in forest ecosystems</b> <b>Monica Zizolfi</b>, Lucia Santorufo, Valeria Memoli, Giorgia Santini, Rossella Barile, Giulia Maisto</p>	<p><b>implications for environmental and human health</b> <b>Silvia Secco</b>, Marta Cunha, Giovanni Libralato, Marco Trifuoggi, Antonella Giarra, Rosa Freitas, Massimiliano Scalici</p> <p>16:15 - 16:30 <b>Assessing chemical contamination of Adriatic Sea (Eastern Mediterranean Sea) using zooplankton as bioindicator organisms</b> <b>Ginevra Boldrocchi</b>, Benedetta Villa, Damiano Monticelli, Cristina Corti, Giulio Magni, Giulia Liguori, Jan Pachner, Roberta Bettinetti</p> <p>16:30 - 16:45 <b>Disaggregation behaviour in the terrestrial isopod <i>Porcellionides pruinosus</i> as a new endpoint for soil quality assessment</b> <b>Sara Villa</b>, Lorenzo Federico, Gianna Monti, Susana Lourero</p> <p>16:45 - 17:00 <b>Assessing the effectiveness of mitigation measures on pollinator decline: an integrated multi-biomarker approach (ÆM-POLLY project)</b> <b>Silvia Casini</b>, Tommaso Campani, Ilaria Caliani, Ginevra Manieri, Andrea Franchi, Agata Di Noi, Laura Giovanetti, Mariana Mazzei, Lisa Cabiddu, Lucia Lenzi, Francesco Lami, Roberto Costantino, Fabio Sgolastra</p>
<p>17:00 - 17:30</p>	<p><b>Coffe break 3: Coffee break e visione Poster</b> Luogo, sala: <b>Museo Arte Classica</b></p>		
<p>17:30 - 18:30</p>	<p><b>SP.1f-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b> Luogo, sala: <b>Aula Giacomini</b> Chair: <b>Massimiliano Scalici</b> Chair: <b>Anna Barra Caracciolo</b> Chair: <b>Daniele Ventura</b> Chair: <b>Arnold Rakaj</b></p> <p>17:30 - 17:45 <b>Insect conservation on Mediterranean small islands</b> <b>Simone Fattorini</b></p> <p>17:45 - 18:00 <b>A multi-biomarker approach uncovers varying physiological responses of common kestrels affected by human environmental impacts</b> <b>Laura Giovanetti</b>, Ilaria Caliani, Gianluca Damiani, Giacomo Dell'Omo, David Costantini, Silvia Casini</p> <p>18:00 - 18:15 <b>Anthropogenic constraints on vegetation seasonal dynamics in urban ecosystems</b> <b>Vincenzo Baldi</b>, Alessandro Bellino, Mattia Napoletano, Daniela Baldantoni</p>	<p><b>SP.4d-RETI TROFICHE: Reti trofiche ed ecologia di comunità</b> Luogo, sala: <b>Aula Partenone</b> Chair: <b>Loreto Rossi</b> Chair: <b>Maria Letizia Costantini</b> Chair: <b>Simona Sporta Caputi</b></p> <p>17:30 - 17:45 <b>Contribution of demersal and benthopelagic species to Benthic-Pelagic Coupling in two Mediterranean marine food webs</b> <b>Pasquale Ricci</b>, Roberto Carlucci, Giulia Cipriano, Ioannis Keramidas, Simone Libralato</p> <p>17:45 - 18:00 <b>Spatial predictions of invertebrate metabolic rates to climate change</b> <b>Milad Shokri</b>, Alberto Basset</p> <p>18:00 - 18:15 <b>Functional traits assessment at the first level of the trophic web through the application of molecular ratios in coastal waters under environmental condition changes</b> <b>Silvia Casabianca</b>, Samuela Capellacci, Fabio Ricci, Giorgia Ravera, Geraldina Signa, Michele Scardi, Antonella Penna</p>	<p><b>SP.6a-CAP.NAT.: Capitale naturale, servizi ecosistemici, contabilità ambientale</b> Luogo, sala: <b>Aula Montalenti</b> Chair: <b>Pier Paolo Franzese</b> Chair: <b>Fausto Manes</b></p> <p>17:30 - 17:45 <b>Spatio-temporal dynamics of <i>Posidonia meadows</i> functioning in the Mediterranean Sea: using benthic chambers for Blue Carbon prediction</b> <b>Francesco Paolo Mancuso</b>, Mar Bosch-Belmar, Mario Francesco Tantillo, Martina Russi, Viviana Piermattei, Marco Marcelli, Gianluca Sarà</p> <p>17:45 - 18:00 <b>The overlooked role of necromass in the carbon budget of <i>Posidonia oceanica</i> seagrass beds</b> <b>Ludovica Capasso</b>, Rendina Francesco, Buonocore Elvira, Franzese Pier Paolo, Russo Giovanni Fulvio</p> <p>18:00 - 18:15 <b>Rhodolith beds: overlooked biogenic habitats providing essential ecosystem services</b> <b>Francesco Rendina</b>, Umberto Grande, Pier Paolo Franzese, Elvira Buonocore, Giovanni Fulvio Russo</p>

			<p><b>18:15 - 18:30</b>  <b>Diversity of Milan's trees: species, distribution, and characteristics to inform decisions</b>  <u>Daide Stucchi</u>, Javier Babí Almenar, Renato Casagrandi</p>
<p>18:30 - 20:00</p>	<p><b>VISITA GUIDATA: Visita guidata storico-artistica del quartiere di San Lorenzo</b></p>		

<p>9:00 - 10:15</p>	<p><b>SP.6b-CAP.NAT.: Capitale naturale, servizi ecosistemici, contabilità ambientale</b> Luogo, sala: Aula Partenone Chair: Pier Paolo Franzese Chair: Fausto Manes</p> <p><b>9:00 - 9:15</b> <b>Assessing natural capital and ecosystem services in marine ecosystems: the case study of the Strait of Sicily (central Mediterranean)</b> <b>Umberto Grande, Elvira Buonore, Pier Paolo Franzese, Fabio Fiorentino, Valentina Lauria, Evelina Sabatella, Danilo Scannella, Sergio Vitale, Germana Garofalo</b></p> <hr/> <p><b>9:15 - 9:30</b> <b>Integrating information about status biomonitoring and ecosystem functioning through transdisciplinary methodology to communicate restoration success</b> <b>Ilaria Rigo, Julia Pasqualini, Mario Brauns, Chiara Paoli, Paolo Vassallo</b></p> <hr/> <p><b>9:30 - 9:45</b> <b>Mangroves of the Maldives: unveiling and studying these unique ecosystems</b> <b>Federico Cerri, Yohan Didier Louis, Luca Fallati, Rossella Nicolai, Giulia Senna, Paolo Galli</b></p> <hr/> <p><b>9:45 - 10:00</b> <b>Wetland type matters: evaluating distinct sets of ecosystem services for reliable ecosystem accountings</b> <b>Mattias Gaglio, Lanzoni Mattia, Vincenzi Fabio, Castaldelli Giuseppe</b></p> <hr/> <p><b>10:00 - 10:15</b> <b>A metadata base of the natural capital of small and medium size islands: the SMILES approach</b> <b>Emilio Padoa-Schioppa, Noemi Rota, Francesca Bretzel, Alessandro Chiarucci, Nazil Demirel, Nenad Jasprica, Dejan Mandžukovski, Francesco Santi, Daniela Smiraglia, Fotios Xystrakis, Savvas Zotos, Ioannis Vogiatzakis</b></p> <hr/> <p><b>10:15 - 10:30</b> <b>Exploring ecosystem services perceptions and plural values to enable transformative change in the Venice lagoon, Italy.</b> <b>Silvia Rova, Maraja Riechers, Daniele Brombal, Lorenza Maistrello, Fabio Pranovi</b></p>	
<p>9:00 - 10:30</p>	<p><b>SP.1g-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b> Luogo, sala: Aula Giacomini Chair: Massimiliano Scalici Chair: Anna Barra Caracciolo Chair: Daniele Ventura Chair: Arnold Rakaj</p> <p><b>9:00 - 9:15</b> <b>Patterns in osmolyte and secondary metabolite production in mangrove-associated algae across four Maldivian atolls</b> <b>Rossella Nicolai, Ulf Karsten, Andreas Richter, Giuseppe C. Zuccarello, Yohan Didier Louis, Federico Cerri, Giulia Senna, Paolo Galli</b></p> <hr/> <p><b>9:15 - 9:30</b> <b>Impact of extreme climatic events on early life stage of a Mediterranean coral habitat-structuring species</b> <b>Mario Francesco Tantillo, Gianluca Sarà, Mar Bosch-Belmar</b></p> <hr/> <p><b>9:30 - 9:45</b> <b>Competition for trophic resources between Apis mellifera L. and wild Apoidea: ecological and ethological approaches on a small island in the Tuscan Archipelago</b> <b>Giorgio Vicari, Lorenzo Pasquali, Claudia Bruschini, Leonardo Dapporto, Alessandro Cini</b></p> <hr/> <p><b>9:45 - 10:00</b> <b>Investigating population dynamics and ecotoxicological effects in two apiaries under different levels of human-induced stress</b> <b>Agata Di Noi, Iliana Caliani, Niccolò Franci, Laura Giovanetti, Silvia Casini, Tommaso Campani</b></p> <hr/> <p><b>10:00 - 10:15</b></p>	<p><b>SP.7a-CLIMA: Effetti del cambiamento climatico sugli ecosistemi</b> Luogo, sala: Aula C Chair: Marcello Vitale Chair: Alessio Collalti Chair: Edoardo Casoli</p> <p><b>9:00 - 9:15</b> <b>How climate change is shifting Earth's ecosystems</b> <b>Marcello Vitale, Alessio Collalti</b></p> <hr/> <p><b>9:15 - 9:30</b> <b>Phenological and epidemiological impacts of climate change on peach production</b> <b>Daniele Bevacqua, Chiara Vanalli, Andrea Radici, Renato Casagrandi, Marino Gatto</b></p> <hr/> <p><b>9:30 - 9:45</b> <b>Toward a global relationship between net primary production and biodiversity in marine ecosystems</b> <b>Francesco De Leo, Gianmarco Ingrosso, Alberto Basset</b></p> <hr/> <p><b>9:45 - 10:00</b> <b>Present and future impact of alien plants on biodiversity in Europe</b> <b>Silvia Giulio, Cao Pinna Luigi, Alicia Teresa Rosario Acosta, Giuseppe Brundu, Laura Celesti-Grapow, Simona Ceschin, Sandra Citterio, Silvia Del Vecchio, Rodolfo Gentili, Chiara Montagnani, Jan Pergl, Lorenzo Pinzani, Petr Pyšek, Hana Skálová, Michaela Vítková, Flavio Marzialetti, Marta Carboni</b></p> <hr/> <p><b>10:00 - 10:15</b> <b>Modelling climate change effects on Mediterranean forest species aimed at restoration ecology activities</b> <b>Kristina Micalizzi, Danilo Lombardi, Elisa Spennati, Marcello Vitale</b></p>

	<p><b>Exploring distribution and connectivity patterns of the dusky grouper <i>Epinephelus marginatus</i> in Sicilian coastal waters</b></p> <p><u>Silvia Maria Bellù</u>, Antonio Di Franco, Ilenia Epifani, Antonio Calò, Manfredi Di Lorenzo, Sylvaine Giakoumi, Giacomo Milisenda, Carlo Cattano, Marco Milazzo, Giulio Franzitta, Paco Melià</p>	<p>10:15 - 10:30</p> <p><b>Predatory interactions in a warming world: Functional response of invasive and native freshwater fish species</b></p> <p><u>Matteo Ventura</u>, Vincenzo Pasquariello, Edoardo Calizza, Giulio Careddu, Simona Sporta Caputi, Davide Giannini, Loreto Rossi, Maria Letizia Costantini</p>
	<p>10:15 - 10:30</p> <p><b>Investigating fish assemblages to assess the conservation and functional values of the Po Delta wetlands</b></p> <p><u>Mattia Lanzoni</u>, M. Gaglio, A.C. Bonciu, G. Castaldelli</p>	
10:30 - 11:00	<p><b>RELAZIONE AD INVITO ASviS: Relazione ad invito del Prof. Enrico Giovannini, Direttore Scientifico dell'Alleanza Italiana per lo Sviluppo Sostenibile - ASviS. Titolo: "La costruzione di un futuro sostenibile: utopia o dovere comune?"</b></p> <p>Luogo, sala: <u>Aula Partenone</u> Chair: <u>Fausto Manes</u></p>	
11:00 - 11:30	<p><b>Coffe break 4: Coffee break e visione Poster</b></p> <p>Luogo, sala: <u>Museo Arte Classica</u></p>	
11:30 - 12:00	<p><b>Sp.1h-DISTURBO: Effetti del disturbo su specie, habitat ed ecosistemi</b></p> <p>Luogo, sala: <u>Aula Giacomini</u> Chair: <u>Massimiliano Scalici</u> Chair: <u>Anna Barra Caracciolo</u> Chair: <u>Daniele Ventura</u> Chair: <u>Arnold Rakaj</u></p>	
	<p>11:30 - 11:45</p> <p><b>Tursionet: Bottlenose dolphins' acoustic interactions with fishing gear in the Ligurian waters of the Pelagos Sanctuary</b></p> <p><u> Davide Michel Lelong</u>, Michele Manghi, Claudio Fossati, Gianni Pavan, Agnese Marchini, Guido Gnone, Fulvio Garibaldi, Eleonora Coppolella, Camilla Testori, Federica Giorda</p>	
	<p>11:45 - 12:00</p> <p><b>First assessment of the biophonies in the underwater soundscape of the Marine Protected Area "Secche di Tor Paterno" (Mediterranean Sea)</b></p> <p><u>Daniela Silvia Pace</u>, Zenab Irshaid, Giulia Pedrazzi, Elena Papale, Giuseppa Buscaino, Maria Ceraulo</p>	
11:30 - 13:00	<p><b>Sp.6c-CAP.NAT.: Capitale naturale, servizi ecosistemici, contabilità ambientale</b></p> <p>Luogo, sala: <u>Aula Partenone</u> Chair: <u>Pier Paolo Franzese</u> Chair: <u>Fausto Manes</u></p>	<p><b>SP.7b-CLIMA: Effetti del cambiamento climatico sugli ecosistemi</b></p> <p>Luogo, sala: <u>Aula C</u> Chair: <u>Marcello Vitale</u> Chair: <u>Alessio Collalti</u> Chair: <u>Edoardo Casoli</u></p>
	<p>11:30 - 11:45</p> <p><b>Urban Ecosystem Accounts for Italy: benchmarking Italian values against other European countries</b></p> <p><u>Javier Babí Almenar</u>, Renato Casagrandi</p>	<p>11:30 - 11:45</p> <p><b>Vulnerability of Mediterranean seagrasses to climate change: insights from species distribution modeling and climate-niche factor analysis</b></p> <p><u>Bohao He</u>, Lorenzo Mari</p>
	<p>11:45 - 12:00</p> <p><b>Urban-rural continuum for the sustainable management of urban areas: the case study of the metropolitan city of Rome</b></p> <p><u>Lorenza Nardella</u>, Pier Paolo Franzese, Fausto Manes</p>	<p>11:45 - 12:00</p> <p><b>Harnessing Posidonia oceanica wrack to mitigate the effects of a reduced precipitation scenario on dune vegetation</b></p> <p><u>Virginia Menicaglj</u>, Claudio Lardicci, Elena Balestri</p>
	<p>12:00 - 12:15</p> <p><b>Evaluating Ecohydrological Models: A comparative analysis on quantifying the impacts of blue-green infrastructure</b></p> <p><u>Margherita Nardi</u>, Tams Laura, Pier Paolo Franzese, Eva Nora Paton</p>	<p>12:00 - 12:15</p> <p><b>The future in the past? Nitrogen isotopes and applications of metabolic theory on fossil foraminifera for paleoenvironmental reconstructions during a rapid global warming event in Earth's history</b></p> <p><u>Simone Moretti</u>, Alexandra Auderset, Curtis Deutsch, Ronja Schmitz, Lukas Gerber, Ellen Thomas, Valeria Luciani, Maria Rose Petrizzo, Ralf Schiebel, Aradhna Tripathi, Philip Sexton, Richard Norris, Roberta D'Onofrio, James Zachos, Daniel Sigman, Gerald Haug, Alfredo Martínez-García</p>
	<p>12:15 - 12:30</p> <p><b>Biotic and abiotic strategies to enhance energy valorization of organic fraction of municipal solid waste and sludge of wastewater treatment plants</b></p> <p><u>Valentina Mazzurco Miritana</u>, Roberto Ciccoli, Adolfo Le Pera, Lorenzo Panunzio, Stefano Ferri, Antonio Bozzelli, Emanuele Fanelli, Roberto Albergo, Giulia Massini</p>	<p>12:15 - 12:30</p> <p><b>Adaptability of crustose coralline algae recruits to different field temperature and light conditions</b></p> <p><u>Alessandra Puccini</u>, Viviana Peña, Giulia Ceccherelli</p>
		<p>12:30 - 12:45</p>



		<p><b>Understanding European hake dynamics in a changing Mediterranean Sea: a new modelling framework</b>  <b>Andrea Schiavo</b>, Isabella Bitetto, Walter Zupa, Andrea Radici, Maria Teresa Spedicato, Paco Melià</p> <hr/> <p>12:45 - 13:00  <b>Posidonia oceanica bleaching: mensurative and manipulative experiments to investigate causes in a warm-edge location</b>  <b>Patrizia Stipcich</b>, Carmen Arena, Giulia Ceccherelli, Rosa Donadio, Carlos Jimenez, Vasilis Resaikos, Ermenegilda Vitale, Simonetta Frascchetti</p>
12:00 - 13:00	<p><b>SP.8a-RESTORATION: Ecological restoration: sfide della ricerca per invertire la perdita di biodiversità</b>  Luogo, sala: <b>Aula Giacomini</b>  Chair: <b>Silvia Bianchelli</b>  Chair: <b>Valentina Asnaghi</b></p> <hr/> <p>12:00 - 12:15  <b>Are the targets of the Nature Restoration Law achievable at a regional scale? An analysis of Natura 2000 sites in the Sardinia region</b>  <b>Michele Defraia</b>, Erika Bazzato, Michela Marignani</p> <hr/> <p>12:15 - 12:30  <b>A comprehensive approach to macroalgal forest restoration planning in Tenerife</b>  <b>Margalida Monserrat</b>, Jacopo Cimini, Annalisa Falace, Valentina Asnaghi, Paolo Vassallo, Mariachiara Chiantore</p> <hr/> <p>12:30 - 12:45  <b>Nature-based solutions using organic amendments for recycling alkaline spoil material and green recovering of a degraded area</b>  <b>Ludovica Rolando</b>, Paola Grenni, Antonio Finizio, Rodolfo Gentili, Anna Barra Caracciolo</p> <hr/> <p>12:45 - 13:00  <b>Unravelling the physiological suitability of different tree species for restoration efforts in a Mediterranean protected area</b>  <b>Elisa Spennati</b>, Kristina Micalizzi, Marcello Vitale</p>	
13:00 - 14:30	<p><b>PAUSA PRANZO 2: Pausa pranzo e visione Poster</b>  Luogo, sala: <b>Museo Arte Classica</b></p>	
14:30 - 16:00	<p><b>ASSEMBLEA SOCI: Assemblea ordinaria dei Soci S.It.E.</b>  Luogo, sala: <b>Aula Il NEC</b></p>	
16:00 - 16:30	<p><b>Coffee break 5: Coffee break e visione Poster</b>  Luogo, sala: <b>Museo Arte Classica</b></p>	
16:30 - 17:20	<p><b>PLENARY 3a: PROF.SSA ROUGHGARDEN: Plenary lecture della Prof.ssa J.E. Roughgarden - Stanford University. Titolo: Population Theory for the Hologenome and the Assembly of Holobionts</b>  Luogo, sala: <b>Aula Giacomini</b>  La lecture della Prof.ssa J.E. Roughgarden sarà trasmessa da remoto e in parallelo sia in Aula Giacomini che in Aula Partenone.</p>	<p><b>PLENARY 3b: PROF.SSA ROUGHGARDEN: Plenary lecture della Prof.ssa J.E. Roughgarden - Stanford University</b>  Luogo, sala: <b>Aula Partenone</b>  La lecture della Prof.ssa J.E. Roughgarden sarà trasmessa da remoto e in parallelo sia in Aula Giacomini che in Aula Partenone.</p>
17:20 - 18:30	<p><b>SPOSTAMENTO: Spostamento verso l'Orto Botanico di Roma</b></p>	
18:30 - 20:00	<p><b>VISITA ORTO BOTANICO: Visita guidata dell'Orto Botanico di Roma</b></p>	
20:00 - 23:00	<p><b>CENA SOCIALE: Cena Sociale servita presso l'Orto Botanico di Roma</b></p>	

<p>9:00 - 9:50</p>	<p><b>PLENARY 4: PROF. ONOFRI: Plenary lecture del Prof. S. Onofri - Università della Tuscia. titolo: "Antarctic microbial life for Mars exploration"</b> Luogo, sala: <b>Aula "La Ginestra"</b></p>		
<p>10:00 - 11:15</p>	<p><b>SP.10a-MONTANI+ESTREMI: Misurare e prevedere il cambiamento degli ecosistemi montani ed estremi</b> Luogo, sala: <b>Aula C</b> Chair: <b>Marco Parolini</b> Chair: <b>Antonello Provenzale</b> Chair: <b>Ramona Viterbi</b></p> <p><b>10:00 - 10:15</b> <b>Elevation-dependent change in ERA5 precipitation and its extremes</b> <b>Olivia Ferguglia, Elisa Palazzi, Enrico Arnone</b></p> <p><b>10:15 - 10:30</b> <b>Climate controls on carbon cycling in alpine ecosystems</b> <b>Silvio Marta, Marta Magnani, Gianna Vivaldo, Ilaria Baneschi, Alice Baronetti, Simona Gennaro, Mariasilvia Giamberini, Michele Lonati, Simone Ravetto Enri, Antonello Provenzale</b></p> <p><b>10:30 - 10:45</b> <b>Carbon stock and soil microbial diversity dynamics following afforestation in Northeast Italy</b> <b>Speranza Claudia Panico, Giorgio Alberti, Antonio Tomao, Riccardo Spaccini, Guido Incerti</b></p> <p><b>10:45 - 11:00</b> <b>Life in extreme habitats: unraveling the microalgae and Cyanobacteria biodiversity in cryoconite holes</b> <b>Flavia Dory, Veronica Nava, Barbara Leoni</b></p> <p><b>11:00 - 11:15</b> <b>Preserving alpine high-mountain lakes: threats, strategies, and research priorities</b> <b>Antonia Concetta Elia, Marino Prearo, Elisabetta Pizzul, Marco Bertoli, Monia Renzi, Barbara Caldaroni, Ambrosius Josef Martin Dörr, Sara Futia, Paolo Pastorino</b></p>	<p><b>SP.8b-RESTORATION: Ecological restoration: sfide della ricerca per invertire la perdita di biodiversità</b> Luogo, sala: <b>Aula Giacomini</b> Chair: <b>Silvia Bianchelli</b> Chair: <b>Valentina Asnaghi</b></p> <p><b>10:00 - 10:15</b> <b>Reforestation facilitated by wood mulch enhances the soil microbiota</b> <b>Giorgia Santini, Lucia Santorufo, Valeria Memoli, Monica Zizolfi, Gabriella Di Natale, Marco Trifuoggi, Giulia Maisto</b></p> <p><b>10:15 - 10:30</b> <b>Ecological restoration for the conservation of certain coleopteran and lepidopteran species of community importance in Umbria</b> <b>Matteo Pallottini, Gianandrea La Porta, Silvana Piersanti, Manuela Rebora, Antonia Concetta Elia, Enzo Goretti</b></p> <p><b>10:30 - 10:45</b> <b>Innovative management for the restoration of degraded soils to improve ecosystem functioning</b> <b>Teresa Di Santo, Rossana Marzaioli, Lucio Zaccariello, Elio Coppola, Giovanna Battipaglia, Simona Castaldi, Maria Laura Mastellone, Flora Angela Rutigliano</b></p> <p><b>10:45 - 11:00</b> <b>The role of beekeeping in fostering an integrated model of ecologically sustainable and multifunctional agriculture. The API project</b> <b>Tommaso Campani, Ilaria Caliani, Agata Di Noi, Laura Giovanetti, Ginevra Manieri, Franchi Andrea, Fiaschi Tiberio, Angiolini Claudia, Romi Marco, Cai Giampiero, Casini Silvia</b></p> <p><b>11:00 - 11:15</b> <b>Use of compost for improving Technosol properties and plant-soil performance: a potential strategy for urban greening</b> <b>Ermenegilda Vitale, Pasquale Napoletano, Carmen Arena, Anna De Marco</b></p>	<p><b>SP.9a-PAESAGGIO: Ecologia del paesaggio e cambiamento globale</b> Luogo, sala: <b>Aula Partenone</b> Chair: <b>Maria Laura Carranza</b> Chair: <b>Irene Petrosillo</b> Chair: <b>Emilio Padoa-Schioppa</b></p> <p><b>10:00 - 10:15</b> <b>Green Infrastructures network promoting multiple approaches to connectivity</b> <b>Erika Bazzato, Paolo Casula, Giuseppe Brundu, Michela Marignani</b></p> <p><b>10:15 - 10:30</b> <b>On the role of agricultural landscapes for the improvement of the Natura2000 network: a multi-level approach for informing local Green Infrastructure planning</b> <b>Simone Valeri, Eva Del Vico, Duilio Iamónico, Alessandro Montaldi, Giulia Capotorti</b></p> <p><b>10:30 - 10:45</b> <b>Analysis of biodiversity loss drivers: Murge and Tirso cases study</b> <b>Donatella Valente, Irene Petrosillo</b></p> <p><b>10:45 - 11:00</b> <b>The influence of urban landscapes on ecological components contributing to plant pollination</b> <b>Paolo Biella, Giulia Brambilla, Andrea Galassini, Valentina Verduci, Massimo Labra</b></p> <p><b>11:00 - 11:15</b> <b>Assessing the ecological connectivity of the Marine Protected Areas of the Campania region (Southern Tyrrhenian Sea)</b> <b>Erika Fabbrizzi, Francesco Colloca, Alberto Colletti, Sara De Benedictis, Chiara Silvestrini, Simone Musumeci, Stefano Moro, Francesca Acampa, Simonetta Fraschetti</b></p>
<p>11:15 - 11:45</p>	<p><b>Coffee break 6: Coffee break e visione Poster</b> Luogo, sala: <b>Museo Arte Classica</b></p>		
<p>11:45 - 13:15</p>	<p><b>SP.10b-MONTANI+ESTREMI: Misurare e prevedere il cambiamento degli ecosistemi montani ed estremi</b> Luogo, sala: <b>Aula C</b> Chair: <b>Marco Parolini</b> Chair: <b>Antonello Provenzale</b> Chair: <b>Ramona Viterbi</b></p> <p><b>11:45 - 12:00</b> <b>Macrobenthic assemblages and the influence of microhabitat in a</b></p>	<p><b>Sp.8c-RESTORATION: Ecological restoration: sfide della ricerca per invertire la perdita di biodiversità</b> Luogo, sala: <b>Aula Giacomini</b> Chair: <b>Silvia Bianchelli</b> Chair: <b>Valentina Asnaghi</b></p> <p><b>11:45 - 12:00</b> <b>RENOVATE Project: a forward-thinking approach to marine conservation, emphasizing the</b></p>	<p><b>SP.9b-PAESAGGIO: Ecologia del paesaggio e cambiamento globale</b> Luogo, sala: <b>Aula Partenone</b> Chair: <b>Maria Laura Carranza</b> Chair: <b>Irene Petrosillo</b> Chair: <b>Emilio Padoa-Schioppa</b></p> <p><b>11:45 - 12:00</b> <b>Fire history and biotic legacies in a fire prone Mediterranean coastal pine forest landscape:</b></p>

	<p><b>high-mountain lake (Northwest Italy)</b>  <u>Alice Gabetti</u>, Camilla Mossotto, Alessandra Maganza, Giuseppe Esposito, Marco Bertoli, Barbara Rizzoli, Elisabetta Pizzul, Elena Bozzetta, Antonia Concetta Elia, Marino Prearo, Paolo Pastorino</p> <p>12:00 - 12:15  <b>Chemical pollution in high-mountain Alpine lakes: sources, impacts, and research insights</b>  <u>Paolo Pastorino</u>, Antonia Concetta Elia, Marco Bertoli, Elisabetta Pizzul, Monia Renzi, Elena Bozzetta, Marino Prearo</p> <p>12:15 - 12:30  <b>Freshwater diatom diversity from Mediterranean and Alpine temporary ponds: status, trends, and new insights for conservation</b>  <u>Davide Taurozzi</u>, Massimiliano Scalicci</p> <p>12:30 - 12:45  <b>Microbial communities in Arctic vs. Antarctic Lakes: similarities, differences, and divergences</b>  <u>Maria Papale</u>, Alessandro Ciro Rappazzo, Alessia Marchetta, Carmen Rizzo, Filomena De Leo, Maurizio Azzaro, Angelina Lo Giudice</p> <p>12:45 - 13:00  <b>Phytoplankton functional traits as biological tracers in a changing Ross Sea (Antarctica)</b>  <u>Francesco Bolinesi</u>, Marina Monti-Birkenmeier, Tommaso Diociaiuti, Maria Saggiomo, Olga Mangoni</p>	<p><b>need for comprehensive, ecosystem-based strategies</b>  <u>Viviana Piermattei</u>, Marco Marcelli, Gianluca Sarà, Simone Bonamano, Elena Scagnoli, Maria Del Mar Bosch Belmar, Francesco Paolo Mancuso, Giovanni Coppini, Sergio Scanu, Daniele Piazzolla, Andrea de Lucia, Giorgio Fersini, Giulia Ceccherelli, Paola Del Negro, Annalisa Falace, Nadia Pinardi, Lorenzo Mentaschi, Jacopo Alessandri, Alessandra Savini, Ivan Federico, Salvatore Causio, Alice Madonna</p> <p>12:00 - 12:15  <b>Mussel biofiltration of noxious metals in an experimental aquaculture system</b>  <u>Francesco Dondero</u>, Federica Gulino, Maurizio Aceto, Valentina Gianotti, Davide Gualandris, Davide Rotonondo, Antonio Calisi, Tiziano Verri, Candida Lorusso</p> <p>12:15 - 12:30  <b>Ecological restoration of vegetated habitats: a path towards the recovery of coastal biodiversity</b>  <u>Silvia Bianchelli</u>, Cristina Gambi, Cinzia Corinaldesi, Roberto Danovaro</p> <p>12:30 - 12:45  <b>Assessing the functional and structural recovery time of a transplanted Posidonia oceanica meadow: lessons from the application of the SER Five-star System and the Recovery Wheel.</b>  <u>Geraldina Signa</u>, Davide Bruno, Giovanna Cilluffo, Marta Greco, Lea Marta Castellini, Cecilia Dorigana Tramati, Vincenzo Raimondi, Mauro Assenzo, Sebastiano Calvo, Antonio Mazzola, Agostino Tomasello, Salvatrice Vizzini</p> <p>12:45 - 13:00  <b>From heuristics to mechanistic understanding (and modelling) of ecological dynamics – a focus on the restoration of Posidonia oceanica meadows</b>  <u>Alessandro Bellino</u>, Vincenzo Baldi, Alfonso Romano, Daniela Baldantoni</p> <p>13:00 - 13:15  <b>Best practices for Posidonia oceanica restoration: evidence from a meta-analytic synthesis</b>  <u>Arianna Pansini</u>, Manuel Berlino, Marina Cristina Mangano, Gianluca Sarà, Giulia Ceccherelli</p>	<p><b>The potential role of fire refugia in post-fire ecological succession</b>  <u>Maria Floriana Spatola</u>, Paola Mairota, Emilio Padoa-Schioppa, Flora Angela Rutigliano</p> <p>12:00 - 12:15  <b>Seventy years of landscape change in the Central Adriatic coast: exploring the role of different dynamic processes on LTER sites</b>  <u>Federica Pontieri</u>, Mirko Di Febbraro, Michele Innangi, Maria Laura Carranza</p> <p>12:15 - 12:30  <b>Eco-functional diversity in coastal dunes unveiled by high-resolution remote sensing and plant traits</b>  <u>Michele Innangi</u>, Federica Pontieri, Mirko Di Febbraro, Marco Balsi, Ginevra Colonna, Maria Laura Carranza</p> <p>12:30 - 12:45  <b>Assessing ecophysiological patterns of Ailanthus altissima and differences with native vegetation classes using Copernicus satellite mission in a Mediterranean island</b>  <u>Flavio Marzialetti</u>, Vanessa Lozano, André Große-Stoltenberg, Maria Laura Carranza, Michele Innangi, Greta La Bella, Simonetta Bagella, Giovanni Rivieccio, Gianluigi Bacchetta, Lina Podda</p> <p>12:45 - 13:00  <b>Filling the gap between conceptualizing and assessing individuals' home-ranges</b>  <u>Alberto Basset</u>, Vanessa Marrocco, Marco Elia, Ludovico Lezzi, Lucia Fanini, Francesco Cozzoli, Flavio Monti, Milad Shokri</p>
<p>13:15 - 14:15</p>	<p><b>CERIMONIA DI CHIUSURA: Consegna dei premi e cerimonia di chiusura del XXXIII Congresso Nazionale della Società Italiana di Ecologia</b>  Luogo, sala: <b>Aula "La Ginestra"</b></p>		
<p>14:30</p>	<p><b>POSTER-SP1.DISTURBO: Poster della sessione "Effetti del disturbo su specie, habitat ed ecosistemi"</b>  Luogo, sala: <b>Museo Arte Classica</b></p> <p><b>Macrobenthic communities along the rocky Cilento coast (southern Italy) characterized by different anthropogenic pressures</b></p>	<p><b>POSTER-SP10.MONTANI+ESTREMI: Poster della sessione "Misurare e prevedere il cambiamento degli ecosistemi montani ed estremi"</b>  Luogo, sala: <b>Museo Arte Classica</b></p> <p><b>Irrigation and drought stress effects on CO2 exchange in mountain ecosystems: the</b></p>	<p><b>POSTER-SP2.ECO.EVO.: Poster della sessione "Ecologia evolutiva e adattamento"</b>  Luogo, sala: <b>Museo Arte Classica</b></p> <p><b>Adaptation to hypersaline environments in sea rock-pool mosquitoes: Phenotypic plasticity meets and molds carry-over effects</b></p>

<p><b>Daniela Baldantoni</b>, Maria Antonietta Nitopi, Luigia Donnarumma, Floriana Di Stefano</p>	<p><b>Levionaz (Gran Paradiso National Park) case study</b></p>	<p><b>Giulia Cordeschi</b>, Roberta Bisconti, Valentina Mastrantonio, Daniele Canestrelli, Daniele Porretta</p>
<p><b>Complexity-dependent responses in ecosystem processes to low-frequency electromagnetic disturbance</b> <b>Alessandro Bellino</b>, Daniela Baldantoni</p>	<p><b>Silvana Beatriz Goiran</b>, Gianna Vivaldo, Alice Baronetti, Michal Krupiński, Edyta Woźniak, Ilaria Baneschi, Mariasilvia Giamberini, Brunella Braco, Michele Lonati, Antonello Provenzale</p>	<p><b>Landscape genomic tools in area-based conservation planning: Insights from the Italian stream frog in the Aspromonte National Park</b> <b>Giulia Gentile</b>, Paolo Franchini, Giuseppe Martino, Roberta Bisconti, Antonino Siclari, Andrea Chiochio, Daniele Canestrelli</p>
<p><b>Effects of turbidity and salinity anomalies on predation rates of native and alien crabs from a temperate coastal lagoon: a mesocosm experiment</b> <b>Sonia Cheratzu</b>, Pierantonio Addis, Francesco Palmas, Viviana Pasquini, Antonio Pusceddu, Serenella Cabiddu</p>		<p><b>Preliminary inference of patterns of loggerhead sea turtle colonization of the Tyrrhenian coastline using mitochondrial genome analysis</b> <b>Alessio Iannucci</b>, Livia Tolve, Luisa Garofalo, Federica Bellagamba, Cristiano Cocumelli, Cecilia Mancusi, Letizia Marsili, Giuliana Terracciano, Marco Alberto Luca Zuffi, Claudio Ciofi</p>
<p><b>Habitat suitability and sensitivity area for offshore wind farm siting around Pantelleria Island.</b> <b>Laura Ciriminna</b>, Giovanna Cilluffo, Geraldina Signa, Agostino Tomasello, Salvatrice Vizzini</p>		<p><b>Ecological and evolutionary perspectives on cancer cell population research: an initial review of current knowledge</b> <b>Alessandro Fiore</b>, Grazia Bramato, Giulia Girolimetti, Cecilia Bucci, Alberto Basset</p>
<p><b>Evidence of chronic trawling disturbance on benthic-demersal communities: insights from taxonomic and functional diversity</b> <b>Gabriele Di Bona</b>, Manuel Berlino, Gianluca Sarà, Maria Cristina Mangano</p>		
<p><b>The PhytoPlastic project: exploring the plastisphere community in European lentic systems</b> <b>Flavia Dory</b>, Veronica Nava, Mona Abbasi, Oloyede Adekolurejo, Patrick Aurich, Nans Barthélémy, Berenike Bick, Bryan Burri, Marco J. Cabrerizo, Geoffrey Cairola, Teofana Chonova, Mathilde Cour, Vanessa De Santis, Annemieke M. Drost, Baptiste Fatras, Lena Fehlinger, Aida Figler, Dariusz Halabowski, Daniel Harvey, Ellinor Jakobsson, Benjamin Mistell, Laureen Mori-Bazzano, Valentin Moser, Julia Pasqualini, Federica Rotta, Bianca Schmid-Paech, Camille Touchet, Konstantinos Vaziourakis, Víctor Manzanares-Vázquez, Dar Jaffer Yousuf, Julia Gostyńska</p>		
<p><b>The role of bacterial coats in defining the health status of the macroalgae of the <i>Cystoseira</i> genus</b> <b>Lorenzo Federico</b>, Sarah Caronni, Pieraugusto Panzalis, Sara Villa, Sandra Citterio</p>		
<p><b>Prioritising riparian ecotones to sustain and connect multiple biodiversity and functional components in river networks</b> <b>Luca Gallitelli</b>, Maria Cristina Bruno, Jose Barquin, Laura Concostrina Zubiri, Micael Jonsson, Morgan Hughes, Stefano Larsen, Monika Laux, Giorgio Pace, Massimiliano Scalici, Ralf Schulz</p>		

**Thermal performance approach improves the accurate prediction of species distribution in nature: the case of the Mediterranean mussel *Mytilus galloprovincialis* (Lamarck, 1819)**

**Antonio Giacoletti**, Mar Bosch-Belmar, Nicoletta Marsiglia, Mario Francesco Tantillo, Maryna Pishchalkovska, Matteo Battiata, Donatella Termini, Gianluca Sarà

**Impact of invasive alien plant species on ecosystems and society. Some evidences from Central Italy.**

**Duilio Iamónico**, Eva Del Vico, Alessandro Montaldi, Simone Valeri, Giulia Capotorti

**Medium-term fire effects on soil properties in a United Kingdom peatland**

**Luigi Marfella**, Rossana Marzaioli, Flora A. Rutigliano, Helen C. Glanville

**Global biotic interactions of seagrasses: a systematic review of epibiont and epiphyte relationships**

**Nicoletta Marsiglia**, Mar Bosch-Belmar, Francesco Paolo Mancuso, Gianluca Sarà

**Do wildfires occurring in Mediterranean mountain beech forest influence soil microbial community and other soil properties?**

**Rossana Marzaioli**, Teresa Di Santo, Stinca Adriano, Esposito Assunta, Rutigliano Flora Angela

**Plastic ingestion in flatfishes from a partially protected area in the southern Tyrrhenian Sea**

**Chiara Molino**, Cristina Pedà, Francesco Longo, Danilo Malara, Chiara Bacchiani, Pietro Battaglia, Maria Cristina Mangano, Silvestro Greco, Teresa Romeo

**Environmental drivers affecting fattening and calcification process of wild and farmed mussels in the Adriatic Sea**

**Antonella Penna**, Alessandra Campanelli, Federica Grilli, Mauro Marini, Alessandra Spagnolo, Carola Mazzoli, Samuela Capellacci, Silvia Casabianca, Giorgio Famiglioni, Giuseppe Prioli, Chiara Cassarino, Erik Caroselli, Arianna Mancuso, Stefano Goffredo

**What are the effects of forest management on soil microbial community? A study in turkey oak and beech forests of Matese mountain**

**Enrica Picariello**, Veronica Vitagliano, Aessia Esposito, Flavia De Nicola

<p><b>Differential effects of bottom trawling intensities on sediment biogeochemistry in the Bornholm Basin (Baltic Sea)</b>  <u>Antonio Pusceddu</u>, Clare Bradshaw, Claudia Ennas</p>		
<p><b>Extensive coastal monitoring of chemical and biological parameters along Calabrian coasts</b>  <u>Valerio Sabellico</u>, Rosario Calogero, Erika Arcadi, Francesco Fabiano, Carmen Rizzo, Christian Galasso, Chiara Giommi, Claudio Berti, Teresa Romeo, Silvestro Greco</p>		
<p><b>Alien plants do not exert univocal responses on soil microarthropod community</b>  <u>Lucia Santorufo</u>, Monica Zizolfi, Giorgia Santini, Valeria Memoli, Rossella Barile, Giulia Maisto</p>		
<p><b>Underwater photogrammetry as a novel approach to characterize and monitor Northern Adriatic biogenic outcrops: first results and perspectives</b>  <u>Marco Sigovini</u>, Alessandro Bergamasco, Fabrizio Bernardi Aubry, Marta Cosma, Sandra Donnici, Irene Guarneri, Giuseppe Pessa, Luigi Tosi, Andrea Sabino</p>		
<p><b>Plasticising aquatic ecosystems: plastic pollution from inland to marine waters</b>  <u>Davide Taurozzi</u>, Alessandra Cera, Alessandro Acierno, Giulia Cesarini, Cristina Coccia, Luca Gallitelli, Silvia Secco, Massimiliano Scalici</p>		
<p><b>The comparison of structural and functional ecological traits in green, brown, and red macroalgae reveal a different resource trade-off among species living in the coastal zone of Campi Flegrei volcano.</b>  <u>Ermenegilda Vitale</u>, Rosa Donadio, Giovanni Libralato, Simonetta Frascchetti, Carmen Arena</p>		
<p><b>POSTER-SP3.DIVULGAZIONE: Poster della sessione "Divulgazione dell'ecologia ed educazione ambientale"</b>  Luogo, sala: Museo Arte Classica</p>	<p><b>POSTER-SP4.RETI TROFICHE: Poster della sessione "Reti trofiche ed ecologia di comunità"</b>  Luogo, sala: Museo Arte Classica</p>	<p><b>POSTER-SP5.ECOTOX: Poster della sessione "Ecotossicologia dei contaminanti emergenti"</b>  Luogo, sala: Museo Arte Classica</p>
<p><b>Citizen Science for coastal biodiversity: monitoring exotic species on the central Adriatic coast with the Wild Coast Adriatic project</b>  <u>Federica Compagnone</u>, Marco Varricchione, Angela Stanisci, Maria Laura Carranza</p>	<p><b>Relationship between the associated biodiversity and ecosystem functioning in <i>Cymodocea nodosa</i> seagrass in a coastal lagoon system (Stagnone di Marsala, Western Sicily)</b>  <u>Ana Maria Botero Angel</u>, Manuel Berlino, Maria Cristina Mangano, Gianluca Sarà</p>	<p><b>Natural and synthetic pigments: behavior and impact on aquatic and terrestrial ecosystems.</b>  <u>Serena Anselmi</u>, Tecla Bentivoglio, Francesca Provenza, Stefania Trevisan, Monia Renzi</p>
<p><b>Challenge your knowledge on sandy beaches: the 2024 web platform-based competition for schools "EcoLogicaCup".</b>  <u>Lucia Fanini</u>, Franca Sangiorgio, Alberto Basset</p>	<p><b>Catch'em'all! A semi-automated, threshold-based filtering pipeline to retrieve seagrass fish data from decades of literature</b>  <u>Azzurra Lattanzi</u>, Bruno Bellisario, Roberta Cimmaruta</p>	<p><b>Per- and polyfluoroalkyl substances (PFAS) differently modulate the innate immune response in the medicinal leech <i>Hirudo verbana</i></b>  <u>Nicolò Baranzini</u>, Gaia Marcolli, Camilla Bon, Laura Pulze, Francesco Acquati, Davide Rotondo, Davide Gualandris, Antonio Calisi, Francesco Dondero, Annalisa Grimaldi</p>

<p><b>"Educating community enterprise," learning to design community socio-economic models with an adaptive and systemic approach starting from the enhancement of local ecological knowledge</b>  <u>Jessica Ferretti</u>, Sara Vegni, Antonio Motisi, Tommaso La Mantia, Leonardo Scuderi, Alessandra Raichi, Gianpaolo Rampini</p>	<p><b>Testing the mid-domain effect hypothesis and Rapoport's rule: the ants of Santa Catalina Mountains (Arizona, USA)</b>  <u>Simone Fattorini</u>, Davide Bergamaschi, Kimberly Franklin, Wendy Moore</p>	<p><b>Assessing the ecological impact of PFAS-contaminated soils on earthworms: apical toxicity and sublethal responses</b>  <u>Antonio Calisi</u>, Davide Gualandris, Davide Rotondo, Candida Lorusso, Marcello Manfredi, Francesco Dondero</p>
<p><b>"Tracce nel Mare – Ecosistemi da Salvare" a science evidence-based game to boost ecological knowledge transfer on young citizens</b>  <u>Maria Cristina Mangano</u>, Gianluca Sarà</p>	<p><b>An insight into the role of anaerobic fungi in the trophic web of anaerobic digestion aimed at methane production</b>  <u>Valentina Mazzurco Miritana</u>, Stefano Ferri, Antonio Bozzelli, Lorenzo Panunzio, Giulia Massini</p>	<p><b>Antioxidant cellular response of the soft coral <i>Pinnigorgia flava</i> after exposure to polypropylene nanofibers and polypropylene nanofibers leachate</b>  <u>Eleonora Concari</u>, Enrico Montalbetti, Valerio Isa, Andrea Madaschi, Federico Cerri, Simone Montano, Paolo Galli, Davide Seveso</p>
<p><b>Marine Environmental Threats: an Erasmus Blended Intensive Programme to inform about human impacts on the ocean environments</b>  <u>Agnese Marchini</u>, Ana Cristina Costa, Maren Ortiz-Zarragoitia, Mar Santos-Simon</p>	<p><b>Distribution patterns of moth assemblages (Lepidoptera Geometridae) of sandy coasts in the Italian Central Adriatic</b>  <u>Micaela del Valle Rasino</u>, Simone Fattorini, Andrea Sciarretta, Angela Stanisci, Maria Laura Carranza</p>	<p><b>Exploring the potential of reduced Graphene Oxide (rGO) to mitigate copper and nickel stress in <i>Lemna minor</i> plants</b>  Marco D'Eugenio, <u>Maria Adelaide Iannelli</u>, Barbara Casentini</p>
<p><b>FAIR data for biodiversity and ecosystems conservation in a changing world</b>  <u>Alexandra Nicoleta Muresan</u>, Cristina Di Muri, Davide Raho, Ilaria Rosati</p>	<p><b>A systematic approach towards the identification of protected sessile benthic species in the Mediterranean Sea</b>  <u>Lucia Rizzo</u>, Tomas Vega Fernández, Francesca Necci, Michael Grelaud, Patrizia Ziveri, Sergio Rossi</p>	<p><b>Phytotoxicity effects of tetracycline and sulfonamide mixture in the presence of copper on <i>Lemna x mediterranea</i> plants</b>  <u>Chiara De Carolis</u>, Marco Fabriani, Giovanna Frugis, Valentina Iori, Barbara Casentini, Fabrizio Pietrini, Maria Letizia Costantini, Maria Adelaide Iannelli</p>
<p><b>The Sunrise project and the public perception of the seagrass <i>Posidonia oceanica</i></b>  <u>Stefania Pinna</u>, Simona Bussotti, Marilù Cavallero, Paolo Guidetti</p>	<p><b>Decoding phytoplankton coexistence mechanisms through a meta-analysis across 24 transitional water ecosystems</b>  <u>Angela Maria Scardia Scardia</u>, Jessica Titocci, Lorenzo Liberatore, Alberto Basset</p>	<p><b>Integrated models for the development and assessment of high impact chemicals and materials: the INSIGHT project</b>  <u>Francesco Dondero</u>, Iseult Lynch, Antreas Afantitis, Willie Peijnenburg, Martin Paparella, Lisa Bregoli, Jaakko Siltaloppi, Angela Serra, Dario Greco, Insight Consortium</p>
	<p><b>Intra- and inter-specific trophic niche partitioning in Antarctic fish populations of the Ross Sea in the presence of sea ice</b>  <u>Roberta Zitelli</u>, Giulio Careddu, Simona Sporta Caputi, Matteo Ventura, Davide Giannini, Edoardo Calizza, Loreto Rossi, Maria Letizia Costantini</p>	<p><b>Preliminary assessment of microplastic pollution in aquatic ecosystems of Tuscany: distribution in abiotic and biotic compartments</b>  <u>Alice Gabetti</u>, Annamaria Nocita, Camilla Mossotto, Alessandra Maganza, Giuseppe Esposito, Elena Bozzetta, Monia Renzi, Serena Anselmi, Tecla Bentivoglio, Marino Prearo, Paolo Pastorino</p>
		<p><b>Effects of micro and nano fibres derived from surgical face masks in <i>Danio rerio</i></b>  <u>Andrea Masseroni</u>, Marta Ribeiero, Alessandro Becchi, Francesco Saliu, Carlos Granadeiro, Chiara Urani, Sara Villa, Miguel Santos</p>
		<p><b>Microplastics and invasive crayfish species: preliminary observations from Lake Maggiore (NW Italy)</b>  Marco Orlandi, <u>Giulia Cesarini</u>, Riccardo Sbarberi, Denise Schiavetta, Lyudmila Kamburska,</p>

		<p>Stefano Magni, Andrea Binelli, Mirko Zanini, Nicole Santi, Angela Boggero</p> <p><b>The Scopoli's shearwater (<i>Calonectris diomedea</i>) as a sentinel for biomonitoring emerging contaminants in Mediterranean marine ecosystems</b>  <u>Marco Parolini</u>, Federico De Pascalis, Federico Tossani, Jacopo G. Cecere, Diego Rubolini</p> <p><b>Impact of Rare Earth Element on aquatic ecosystems: a case of study on Gadolinium</b>  Paolo Pastorino, <u>Eleonora Grazioli</u>, Irene Biagiotti, Lorenzo Donnini, Stefania Trevisan, Francesca Provenza, Serena Anselmi, Giuseppe Esposito, Alesandra Maganza, Camilla Mossotto, Marino Prearo, Monia Renzi</p> <p><b>Bioactive contaminants in the Mediterranean Sea and their bioaccumulation in <i>Posidonia oceanica</i> seagrass: two case studies from the central Tyrrhenian Sea</b>  <u>Jasmin Rauseo</u>, Francesca Spataro, Luisa Patrolecco, Daniele Ventura, Anna Barra Caracciolo, Tanita Pescatore, Sara Ardentì, Edoardo Casoli</p> <p><b>Towards One-Health approach to neurotoxicity assessment of PFAS</b>  <u>Davide Rotondo</u>, Laura Lagostena, Konstantinos Papavasileiou, Valeria Magnelli, Davide Gaulandris, Candida Lorusso, Antonio Calisi, Iseult Lynch, Antreas Afantitis, Francesco Dondero</p>
<p><b>POSTER-SP6.CAP.NAT.:</b> Poster della sessione "Capitale naturale, servizi ecosistemici e contabilità ambientale"  Luogo, sala: Museo Arte Classica</p> <p><b>Inventorying carbon stocks of protected European blue carbon ecosystems: first outcomes from a systematic review</b>  <u>Claudia Armenio</u>, Cristina Andolina, Giovanna Cilluffo, Geraldina Signa, Antonio Mazzola, Salvatrice Vizzini</p> <p><b>Ecosystem Services in urban regeneration projects by NBS key</b>  <u>Emanuele Asnaghi</u>, Claudia Canedoli, Noemi Rota, Marta Cotti Piccinelli, Chiara Baldacchini, Riccardo Castellanza, Emilio Padoa-Schioppa</p> <p><b>Distribution analysis of organic carbon and CO<sub>2</sub> fluxes along soil profile to explore alternative</b></p>	<p><b>POSTER-SP7.CLIMA:</b> Poster della sessione "Effetti del cambio climatico sugli ecosistemi"  Luogo, sala: Museo Arte Classica</p> <p><b>Vulnerability and resilience of Sardinian coastal ecosystems to climate change: a risk-based approach</b>  <u>Erika Bazzato</u>, Raimondo Melis, Michele Defraia, Giuseppe Brundu, Simonetta Bagella, Maria Carmela Caria, Emmanuele Farris, Michela Marignani</p> <p><b>Enhancing ecosystem function assessment through cost-effective Tea Bag decomposition studies in marine habitats</b>  <u>Manuel Berlino</u>, Ana Maria Botero Angel, Maria Cristina Mangano, Gianluca Sarà</p>	<p><b>POSTER-SP8.RESTORATION:</b> Poster della sessione "Ecological restoration: sfide della ricerca per invertire la perdita di biodiversità"  Luogo, sala: Museo Arte Classica</p> <p><b>Imta based system in offshore environment (Ligurian Sea): combining aquaculture and ecological restoration</b>  <u>Paolo Albicini</u>, Valentina Asnaghi, Luca Fanciulli, Lorenzo Meroni, Jacopo Cimini, Claudia Pezzilli, Mariachiara Chiantore</p> <p><b>Artificial floating island as an ecological restoration tool for Lake Trasimeno's biodiversity conservation</b>  <u>Barbara Caldaroni</u>, Gianandrea La Porta, Sara Futia, Ambrosius Josef Martin Dörr, Antonia Concetta Elia</p>



<p><b>methodologies for soil respiration measurements</b> Rosaria D'Ascoli, Christian Landi, Riccardo Valentini, Simona Castaldi</p>	<p><b>The influence of the thermal environment and the role of <i>Paramuricea clavata</i> in coralligenous community structure</b> Gabriella La Manna, Alberto Colletti, Maria Del Mar Bosch-Belmar, Ylenia Fabietti, Simonetta Frascchetti, Luca Licciardi, Giuseppe Morello, Simone Musumeci, Arianna Pansini, Luigi Piazzi, Federico Pinna, Maryna Pishchalkovska, Alessandra Puccini, Gianluca Sarà, Patrizia Stipcich, Mario Francesco Tantillo, Giulia Ceccherelli</p>	<p><b>Valorisation of marine necromass to improve soil biodiversity and restore coastal degraded areas: the PRIN 2022 PNRR EMBRACE Project</b> Flavia De Nicola, Mattia Napoletano, Giovanni De Feo, Alessandro Bellino, Marco De Sanctis, Alessio Langella, Mariano Mercurio, Enrica Picariello, Claudio Di Iaconi, Emanuela Luciani, Francesco Izzo, Ciro Romano, Stefania Oppido, Fulvio Trasacco, Francesco Giuliano, Daniela Baldantoni</p>
<p><b>Ecological implications of <i>Posidonia oceanica</i> banquettes removal</b> Ilaria Dentamare, Ludovica Capasso, Elvira Buonocore, Pier Paolo Franzese, Giovanni Fulvio Russo</p>	<p><b>Effects of experimental heatwaves on plankton communities from different Mediterranean aquatic ecosystems</b> Marco Cherchi, Bachisio Mario Padedda, Andrea Di cesare, Francesca Allemanno, Paola Casiddu, Lyudmila Kamburska, Antonella Lugliè, Bastianina Manca, Roberta Piscia, Cristina Pittalis, Ilaria Rosati, Raffaella Sabatino, Cecilia Teodora Satta, Jessica Titocci, Silvia Pulina</p>	<p><b>Integrating functional diversity and species distributions to inform ecological restoration in the western miombo woodlands</b> Michela Leonardi, Ana Claudia Araujo, Arianna Salili-James, Ben Scott, Neil Brummitt</p>
<p><b>"Soil biodiversity and biological indicators of soil health and ecosystem services in a European context"</b> Carlo Febbi, Michael Bonkowski</p>	<p><b>Carbon flux dynamics in the Bosco della Mesola Po Delta park</b> Paola Furni, Ilaria Perissi, Mariasilvia Giamberini, Ilaria Baneschi, Elisa Anna Fano, Antonello Provenzale</p>	<p><b>Food by-products as sustainable ingredients in feed for sea urchin (<i>Paracentrotus lividus</i>) farming</b> Simone Maria Santo Musumeci, Antonio Luca Langellotti, Mariacristina D'Ascoli, Giovanni Luca Russo, Maria Toscanesi, Marco Trifuoggi, Alberto Colletti, Paolo Masi, Simonetta Frascchetti</p>
<p><b>Modelling Regulating Ecosystem Services in Mountain Environment: assessment of PM10 and O3 removal by alpine forests in the Province of Bolzano, Italy</b> Fabiana Figurati, Lorenza Nardella, Umberto Grande, Elvira Buonocore, Pier Paolo Franzese</p>	<p><b>Climate change impacts and anthropogenic pressure: integrated research and approaches to protect and preserve coastal environment from fecal contamination</b> Angela Freddi, Manuela Coci, Grazia Marina Quero, Silvia Casabianca, Sarah Pizzini, Mauro Marini, Fabio Ricci, Antonella Penna, Elena Manini</p>	<p><b>Artificial substrates as a tool for the conservation of the Italian Spring Goby (<i>Orsinigobius punctatissimus</i>)</b> Adriano Palazzi, Beatrice De Felice, Simona Mondellini, Diego Rubolini, Marco Parolini</p>
<p><b>An Ecosystem Services Assessment towards the adoption of a Climate Change Adaptation Plan in the Province of Trento (Italy)</b> Mattias Gaglio, Andreea Cristina Bonciu, Elisa Anna Fano, Valeria Lencioni</p>	<p><b>Effects of bird-mediated nutrient inputs on basal food sources in Arctic lake food webs</b> Davide Giannini, Giulio Careddu, Simona Sporta Caputi, Matteo Ventura, Roberta Zitelli, Rosamaria Salvatori, Loreto Rossi, Maria Letizia Costantini, Edoardo Calizza</p>	<p><b>SeaForSoil: marine biopolymers to develop novel strategies to increase the water retention in soil for sustainable farming systems under water constraints</b> Flora Angela Rutigliano, Vincenzo Zammuto, Elio Coppola, Waqas Ali Akbar, Giorgia Santini, Rossana Marzaoli, Marina Morabito, Concetta Gugliandolo, Giulia Maisto</p>
<p><b>Investigating regulating ecosystem services provided by green infrastructures: The case study of the Salerno province (southern Italy)</b> Bita Koushki, Simona Rusciano, Umberto Grande, Elvira Buonocore, Pier Paolo Franzese</p>	<p><b>Bottom anoxia induced by climate change increases the release of ammonia from sediment in deep subalpine Italian lakes, thereby increasing the risk of eutrophication</b> Leonardo Morini, Ugo Marzocchi, Marta Lidia Sudo, Diana Arroyave Gomez, Sara Benelli, Monia Magri, Giuseppe Castaldelli, Marco Bartoli</p>	<p><b>Coralligenous restoration in the coastal area of northern Latium (Italy): insights into the ongoing activities of the RENOVATE project</b> Elena Scagnoli, Daniele Piazzolla, Viviana Piermattei, Giorgio Fersini, Marco Marcelli</p>
<p><b>Natural capital in the energy transition: focus on offshore wind farms</b> Paola La Valle, Daniela Paganelli, Ornella Nonnis</p>	<p><b>The red &amp; blue invasion: invasiveness levels of <i>Callinectes sapidus</i> and <i>Procambarus clarkii</i> in three Italian lagoons</b> Daniele Paganelli, Lucrezia Cilenti, Giorgio Mancinelli, Salvatrice Vizzini, Agnese Marchini</p>	<p><b>3D point clouds based on underwater photogrammetry for monitoring <i>Posidonia</i> transplantation areas</b> Daniele Ventura, Edoardo Casoli, Gianluca Mancini, Andrea Belluscio, Giandomenico Ardizzone</p>
<p><b>Capturing the real picture: a new approach to assessing food systems through an agroecological lens</b> Margherita Martinelli, Simona Castaldi</p>	<p><b>Tools to enhance citizens actionability towards more sustainable systems: the SWITCH food health and sustainability database</b> Cristina Masini, Margherita Martinelli, Luigi Alessandrino, Maria Palmieri, Emilia Longobardi, Micol Mastrocicco, Marilena Vitale, Marco Pizzuto, Virgilio Maretto, Maria Vincenza Chiriaco, Simona Castaldi</p>	<p><b>Assessment of nitrogen removal efficiency and greenhouse gas emissions in constructed wetland systems</b> Fabio Vincenzi, Elisa Soana, Giuseppe Castaldelli</p>
<p><b>Linking air quality monitoring and ecosystem services assessment in urban areas: a</b></p>		

<p><b>case study in Campania region (Southern Italy)</b>  <b>Chiara Monteleone, Umberto Grande, Elvira Buonocore, Pier Paolo Franzese</b></p>	<p><b>Future sea warming impacts on habitat suitability for five marine species along the Sardinia coastline</b>  <b>Francesco Palmas, Francesca Cariccia, Abyaba Hiba, Mar Bosch-Belmar, Marchessaux Guillaume, Gianluca Sarà, Antonio Pusceddu</b></p>
<p><b>Potential loss of natural capital generated by fishing activities on the coralligenous habitat of Tremiti Islands Marine Protected Area</b>  <b>Serena Silva, Elvira Buonocore, Michele Guidato, Monica Contegiacomo, Pier Paolo Franzese</b></p>	<p><b>Energy security and environmental sustainability</b>  <b>Gianfranco Picone, Umberto Grande, Elvira Buonocore, Pier Paolo Franzese</b></p>
	<p><b>Warming effects on plankton communities from Mediterranean freshwater and coastal lagoon ecosystems</b>  <b>Cristina Pittalis, Silvia Pulina, Andrea Di Cesare, Francesca Allemanno, Paola Casiddu, Marco Cherchi, Lyudmila Kamburska, Antonella Lugliè, Bastianina Manca, Roberta Piscia, Ilaria Rosati, Raffaella Sabatino, Cecilia Teodora Satta, Jessica Titocci, Bachisio Mario Padedda</b></p>
<p><b>POSTER-SP9.PAESAGGIO: Poster della sessione "Ecologia del paesaggio e cambiamento globale"</b>          Luogo, sala: Museo Arte Classica</p>	<p><b>The impact of thermal stress on coral pigment and non polar metabolites profile: a preliminary study</b>  <b>Matilda Porro, Francesco Saliu, Alessandro Becchi, Federico Cerri, Valerio Isa, Marina Lasagni, Yohan Didier Louis, Davide Seveso, Paolo Galli, Silvia Lavorano</b></p>